FIRST

Annual Report

ON THE

PUBLIC HEALTH

OF

Arlecdon and Frizington Urban District,

For Six Months ending 31st December, 1909,

BY

JOHN CLARK,

M. D., F. R. C. S., *Ed.*,

Fellow of the Royal Institute of Public Health.

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To the Arlecdon & Frizington Urban District Council.

GENTLEMEN,

Allow me to submit to you my First Annual Report as Medical Officer of Health of your District.

No doubt you all remember I was appointed your Medical Officer on 6th July, 1909, hence this Report is on the statistics of the District for the last six months of the year, the calculations, however, having been made on the basis of per thousand per annum of the estimated population.

The census of 1901 gave a population of the entire District of 5,341, and your late Medical Officer estimated last year a population of 5,200, and as the population in the District is in my opinion nearly a stationary one, I think we will be quite safe to consider the same estimate for 1909.

During the six months under consideration, 67 births were registered in the district, which represents a birth-rate of 25·8 per thousand per annum of the estimated population.

Of the 67 children born, 24 were in Arlecdon district, and of these 13 were males and 11 females; and in the Frizington district 43 were registered, and of these 21 were males and 22 females.

The number of deaths registered during this period was 35, but six deaths of residents took place outside the district, viz. : three in Garlands Lunatic Asylum, two in Whitehaven Workhouse, and one in Whitehaven and West Cumberland Infirmary, so that the total number of deaths was 41 ; this gives a death-rate of 15·7 per thousand per annum.

Seven deaths of infants under one year of age were registered during the period, giviug an infantile death-rate of 2·6.

The number of births registered as already stated was 67, this gives the infant death-rate per thousand births registered of 104·4, which is 20·1 below the average of 124·5, which is the average for the last ten years according to previous reports by the late Medical Officer.

In addition to these seven deaths of infants under one year, there were registered during the period six deaths of infants between the ages of one and five years, making a total of 13 deaths of children under five years of age ; equivalent to a death-rate of 5·.

Eight deaths of people occurred over 65 years of age, which gives a senile death-rate of 3· for the year.

The total number of deaths from Zymotic diseases were three : one from Diphtheria, one from Scarlet Fever, and one from Whooping Cough, equivalent to a Zymotic death-rate of 1·1. The case of Whooping Cough occurred in Frizington, while the other two belonged to the Arlecdon district.

The number of cases notified under the Infectious Diseases Notification Act were 27; two Diphtheria, six Erysipelas, and 19 Scarlet Fever. Of the cases of Diphtheria one was in Frizington and one in Arlecdon, of Erysipelas four in Frizington and two in Arlecdon; and of the cases of Scarlet Fever 14 were in Frizington and five in Arlecdon.

All the cases, except three, of Scarlet Fever were treated at their own homes; these three being removed to Galemire Isolation Hospital, as they could not be properly treated at home.

Of the two cases of Diphtheria one was between the ages of five and 15 years, the other between 25 and 65. Of the six cases of Erysipelas, one was between the age of five and 15 years, the other five being between 25 and 65.

Of the 19 cases of Scarlet Fever notified, three were between the ages of one and five years; 12 between five and 15, and four between 15 and 25.

During the year, owing to an epidemic of Scarlet Fever and Whooping Cough, I recommended to the managers of the schools to close the infant departments of the schools in order, if possible, to prevent the spread of the diseases. This recommendation was carried out.

In all cases of diseases notified, the Sanitary Inspector and myself visited the infected houses and their surroundings, supplied disinfectants, remedied any nuisance or unsatisfactory condition found, and upon the cessation of the disease or the removal of the case to the Isolation Hospital, had the houses properly disinfected.

The number of deaths from Phthisis Pulmonalis and other tubercular diseases were four, making a death-rate of 1·5 from this disease.

The number of deaths registered from Cancer was three, which gives a death-rate of 1·1 from this cause.

On the 17th of August, the Sanitary Inspector and myself visited and inspected the slaughter houses in the district, a report of which was duly submitted, so that a summary is all that is required here.

The abattoirs in our district are, as a rule, fairly satisfactory, being well lighted and ventilated, and generally plentifully supplied with cold water. In at least three of them the floors require to be attended to, especially in those cases where they are of flags, as permeation between the flags is abominable and dangerous. I am glad to report that all the slaughter houses were clean and lime washing had been carefully attended to.

A fault common to them all (and this applies to the lairs as well) is, that they are situated too near dwelling houses.

This fact is probably explained by the time they have been in use and built before the present recommendations of the Local Government Board were issued. As we cannot radically cure this defect, our recommendations are to keep them thoroughly sanitary and especially to take particular care that the walls and floors are perfectly impervious.

On the 17th, 23rd, 24th, and 27th of August, the Sanitary Inspector and myself visited and inspected the whole of the Cowsheds and Dairies in the district, and made many recommendations, but owing to the lateness of the season, and the elevated and exposed condition of the district and where cattle require to be housed early, we did not think it reasonable to enforce our recommendations until the following spring.

A detailed account of these inspections was duly submitted to you.

There are no Milkshops in the district.

The water supply of the district is abundant in quantity and excellent in quality, being derived from springs in an upland area, uninhabited and also uncultivated, which renders contamination almost impossible.

The sewerage of the district is satisfactory—the methods of disposal are those of settling tanks, followed by broad irrigation.

The average number of persons living in each house is five, and as there are 1,050 inhabited houses, there is ample housing accommodation for the inhabitants of the district.

Two cases were notified under the Public Health (Tuberculosis) Regulations of 1908, namely, one at 18 Yeathouse Road, the other at 72 Yeathouse Road.

During the year 56 inspections of Factories and 18 of Workshops were made, and everything found generally satisfactory. There are 29 Factories and Workshops in the district, and are classified thus—23 Workshops and six Factories; and of these nine are occupied by dressmakers, four by milliners, two by plumbers, two by blacksmiths, two by cloggers, two by joiners, one as a bakehouse, and one as a shoe-shop.

This, gentlemen, along with the tables attached, concludes my Annual Report on your district for the last six months of 1909.

I am, Gentlemen,

Your obedient servant,

JOHN CLARK, M.D., F.R.C.S., *Ed.*,

Medical Officer of Health.

14th February, 1910.

COUNCIL CHAMBERS,
MAIN STREET,
FRIZINGTON.

MR. CHAIRMAN AND GENTLEMEN,

I have pleasure to lay before you the Sanitary Inspector's Twenty-sixth Annual Report, which gives you a summary of the work done under your authority for the year ending December, 1909.

Summary shewing particulars of work done under the Sanitary Authority for the year ending December, 1909 :—

Inspection of Dwelling Houses	1,231
,, Factories and Workshops ...	74
,, Cowsheds and Dairies	39
Nuisances reported	31
Dwelling Houses Fumigated	18
Slaughter Houses visited	17
Hawkers' Carts containing Fish examined ...	24

All nuisances reported were removed immediately after receipt of notice.

During the year 1909, extensive improvements were carried out at the sewerage outfall works, on the Frizington Park Estate, by the erection of three additional catch-pits and two settling tanks, each being 16′ × 45′ × 5′ capacity.

Your obedient servant,

GEO. ASHBRIDGE, A.R.S.I.,

Sanitary Inspector.

Table I.—Vital Statistics for Whole District.

Year.	Population estimated to Middle of each Year.	Births.		Total Deaths Registered in the District.				Total Deaths in Public Institutions in the District.	Deaths of Non-residents regist'd in Public Institutions in District.	Deaths of Residents registered in Public Institutions bey'nd Dist'ct	Nett Deaths at all ages belonging to the District.	
				Under 1 Year of Age.		At all Ages.						
		No.	Rate *	No.	Rate per 1,000 Births regist'd.	No.	Rate *				No.	Rate *
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.
1899	5,950	184	30·92	24	130	82	13·78					
1900	5,860	170	29·01	22	129	103	17·57	...	...	...	...	...
1901	5,341	176	32·95	22	125	66	12·35		...		...	...
1902	5,341	171	32·01	11	64	62	11·60	...		...		
1903	5,290	172	32·57	22	127	78	14·74	...	...	...	...	...
1904	5,200	148	28·46	25	168	81	15·57		...		...	...
1905	5,140	140	27·23	20	135	94	18·28	...		...		
1906	5,100	163	31·96	22	135	88	17·25	...	...	...	...	...
1907	5,200	163	31.35	19	116	71	13·65		...		...	...
1908	5,200	163	31·35	19	116.6	71	13·65	...		...		
Av'r'ges for years 1899-1908	5,362	165	30·78	20·6	124·5	79·6	14·8					
1909	5,200	67	25·8	7	104·4	35	13·4	...	...	6	41	15·7

*—Rates in Columns 4, 8, and 13 calculated per 1,000 of estimated population.

NOTE.—The deaths to be included in Column 7 of this Table are the whole of those registered during the year as having actually occurred within the district or division. The deaths to be included in Column 12 are the number in Column 7, corrected by the substraction of the number in Column 10 and the addition of the number in Column 11.

By the term "Non-Residents" is meant persons brought into the District on account of sickness or infirmity, and dying in public institutions there; and by the term "Residents" is meant persons who have been taken out of the district on account of sickness or infirmity, and have died in public institutions elsewhere.

The "Public Institutions" to be taken into account for the purposes of these Tables are those in which persons are habitually received on account of sickness or infirmity, such as hospitals, workhouses, and lunatic asylums.

Institutions outside the district receiving sick and infirm persons from the district; Whitehaven Union Workhouse, Whitehaven Infirmary, Garlands Lunatic Asylum, Carlisle, Galemire Isolation Hospital, near Cleator Moor.

Area of District in Acres (exclusive of area covered by water) ...	5,556·340
Total Population at all ages, at Census of 1901	5,341
Number of Inhabited Houses ,, ,, ...	1,050
Average number of persons per house ,, ...	5

Table II.—Vital Statistics of Separate Localities.

FRIZINGTON.

Year.	Population estimated to middle of each year.	Births registered	Deaths at all ages	Deaths under One Year.
1899 ...				
1900 ...				
1901 ...				
1902 ...				
1903 ...				
1904 ...				
1905 ...				
1906 ...				
1907 ...			55	
1908 ...				
Averages of Years 1899 to 1908 ...				
1909 ...	3,520	43	30	3

ARLECDON AND WHILLIMOOR.

Year.	Population estimated to middle of each year.	Births registered	Deaths at all ages	Deaths under One Year.
1899 ...				
1900 ...				
1901 ...				
1902 ...				
1903 ...				
1904 ...				
1905 ...				
1906 ...				
1907 ...			21	
1908 ...				
Averages of Years 1899 to 1908 ...				
1909 ...	1,680	24	11	4

The Information required to complete this Table is not to hand.---J.C.

Table III.—Cases of Infectious Disease notified during the Half-year 1909.

Notifiable Diseases.	Cases notified in Whole District.						
	At all Ages.	At Ages.—Years.					
		Under 1	1 to 5	5 to 15	15 to 25	25 to 65	65 and upwards
Smallpox	...	...	...	...	...	...	...
Cholera	...	...	...	...	...	...	...
Diphtheria including Membranous croup	2	...	...	1	...	1	...
Erysipelas	6	...	...	1	...	5	...
Scarlet Fever ...	19	...	3	12	4	...	...
Typhus Fever ...	...	...	...	...	...	...	...
Enteric Fever ...	...	...	...	...	...	...	...
Relapsing Fever ...	...	...	...	...	...	..	...
Continued Fever ...	...	...	...	...	...	...	...
Puerperal Fever ...	...	...	...	...	...	...	...
Plague	...	...	...	...	...	...	...
Totals ...	27	...	3	14	4	6	...

Total cases notified in each Locality :

Diphtheria—	1 in Frizington	and 1 in Arlecdon	and Whillimoor	
Scarlet Fever—	14 ,,	5 ,,	,,	
Erysipelas—	4 ,,	2 ,,	,,	

3 Scarlet Fever cases were removed to Hospital ; all from Frizington.

Galemire Isolation Hospital. — available beds. 2 Diseases can be concurrently treated.

Table IV.—Causes of and Ages at Death during Half-year 1909.

Causes of Death.	Deaths in whole District at subjoined Ages.							
	All Ages	Under 1 year	1 and under 5	5 and under 15	15 and under 25	25 and under 65	65 and upwards	Deaths in Public Institutions
Smallpox								
Measles								
Scarlet Fever ...	1	1						
Whooping-cough ...	1		1					
Diphtheria & Membranous Croup ...	1			1				
Croup								
Fever { Typhus ...								
Fever { Enteric ...								
Fever { Other continued ...								
Epidemic Influenza ...								
Cholera								
Plague								
Diarrhœa								
Enteritis	1	1						
Gastritis								
Puerperal Fever ...								
Erysipelas								
Phthisis (Pul. Tuberculosis)	3				1	2		
Other Tubercular Diseases	1	1						
Cancer, Malignant Disease	3					3		
Bronchitis	1					1		
Pneumonia	2					1	1	
Pleurisy								
Other Diseases of Respiratory Organs ...								
Alcoholism } Cirrhosis of Liver } ...	2					1	1	
Venereal Diseases ...								
Premature Birth ...								
Diseases and Accidents of Parturition ...								
Heart Diseases ...	3					3		
Accidents	2					2		
Suicides	1						1	
Found Drowned ...	1						1	
Senile Decay	2						2	
All other causes ...	16	4	5		1	4	2	
All causes ...	41	7	6	1	2	17	8	

Table V.—Infantile Mortality during the Half-year 1909.
Deaths from stated Causes in Weeks and Months under One Year of Age.

Cause of Death.	Under 1 Week	1-2 Weeks	2-3 Weeks	3-4 Weeks	Total under 1 Month	1-2 Months	2-3 Months	3-4 Months	4-5 Months	5-6 Months	6-7 Months	7-8 Months	8-9 Months	9-10 Months	10-11 Months	11-12 Months	Total Deaths under One Year
Common Infectious Diseases: Small-pox ...																	
Chicken-pox ...																	
Measles ...																	
Scarlet Fever ...												1					1
Diphtheria : Croup																	
Whooping Cough																	
Diarrhœal Diseases: Diarrhœa, all forms																	
Enteritis, Muco, Gastro-enteritis				1	1												1
Gastritis Gastro-intestinal catarrh																	
Wasting Diseases: Premature Birth ...																	
Congenital Defects																	
Injury at Birth ...																	
Want of Breast-milk																	
Atrophy, Debility, Marasmus			2		2									1			3
Tuberculous Diseases: Tuberculous Meningitis ...																	
Tuberculous Peritonitis : Tabes Mesenterica									1								1
Other Tuberculous Diseases ...																	
Erysipelas ...																	
Syphilis																	
Rickets																	
Meningitis (*not Tuberculous*)										1							1
Convulsions ...																	
Bronchitis ...																	
Laryngitis ...																	
Pneumonia ...																	
Suffocation, overlaying																	
Other causes ...																	
			2	1	3				1	1		1		1			7

Births in the half-year : legitimate 61 ; illegitimate 6. Population estimated to middle of 1909, 5,200. Deaths in the half-year of legitimate and illegitimate infants, 7. Deaths from all causes at all ages for half-year, 41.

FACTORIES AND WORKSHOPS.

INSPECTION.—Including Inspections made by Sanitary Inspector.

Premises.	Inspections	Number of Written Notices	Prosecutions
Factories ...	56	nil.	nil.
Workshops ...	18	nil.	nil.
Total ...	74	nil.	nil.

Defects found in Factories, Workshops, and Workplaces.

Nil.